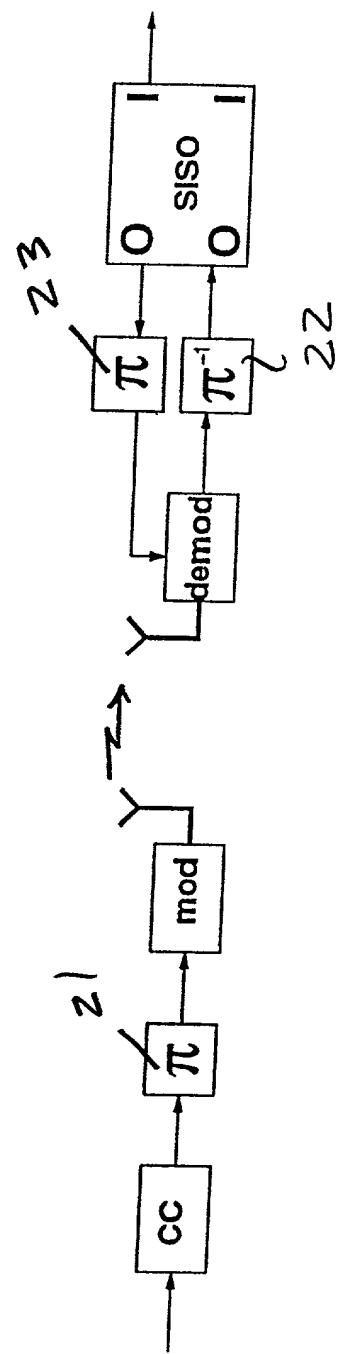


FIG. 1 PRIOR ART

FIG. 2 PRIOR ART



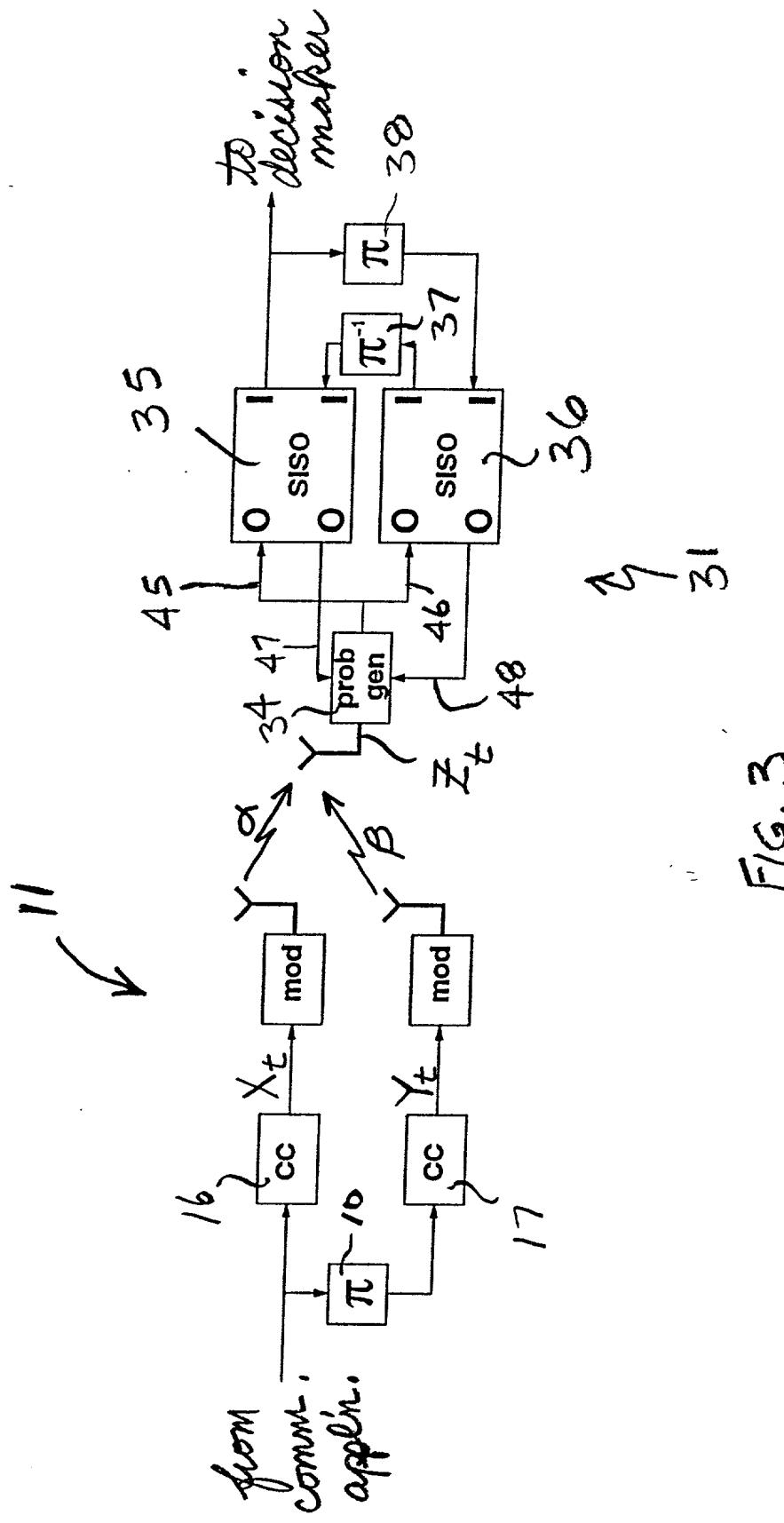


FIG. 3

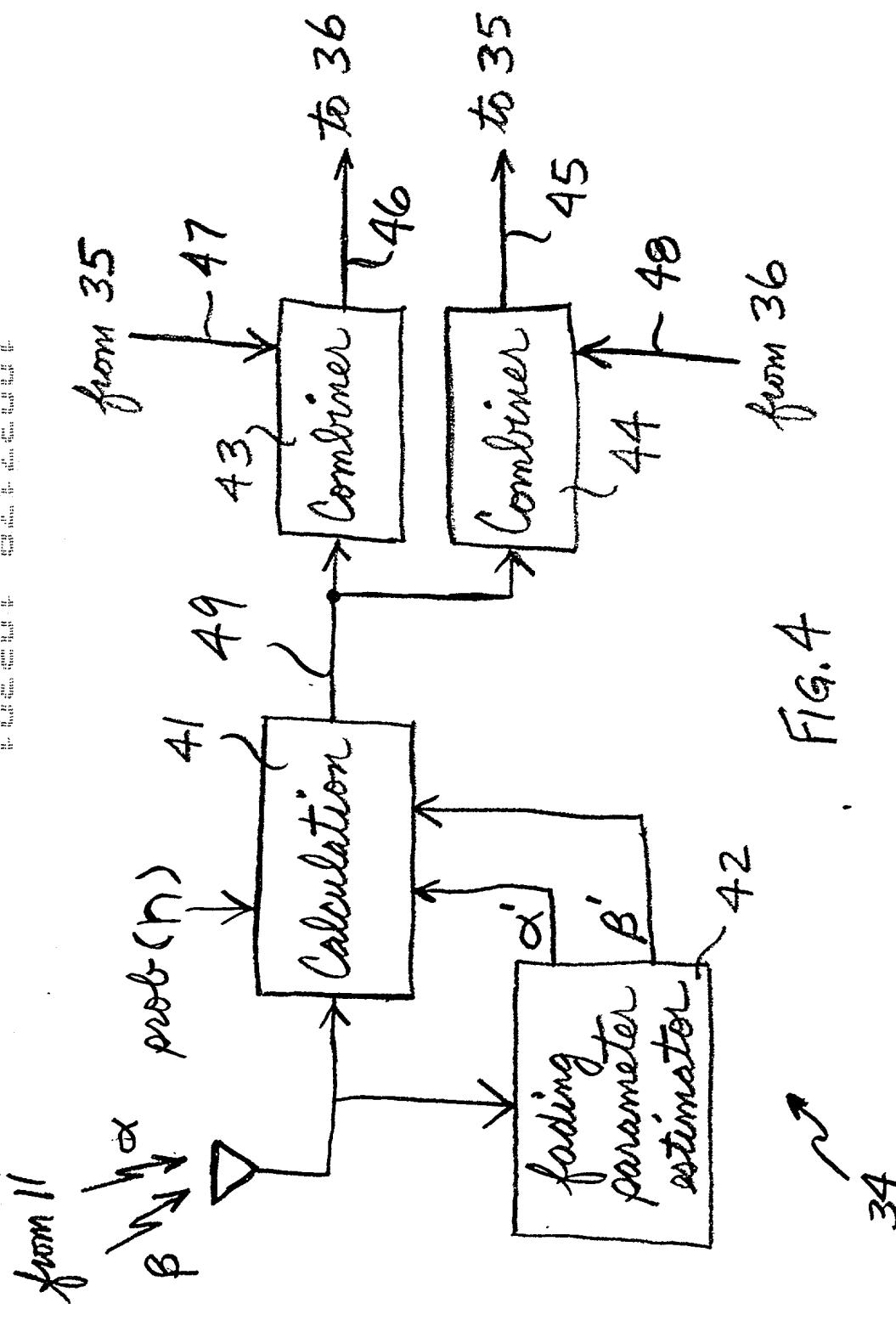


FIG. 4

34

FIG. 5

produce initial a priori output
prob's. for SISOs

51

SISO 35 (36) uses initial
a priori output prob's. to produce
a posteriori input prob's.

52

apply interleaving (de-interleaving) to
a posteriori input prob's. from SISO 35 (36)

53

SISO 36 (35) uses a priori output
prob's. and the interleaved (de-interleaved)
a posteriori input prob's. of SISO 35 (36) to
produce a posteriori input and output prob's.

54

apply de-interleaving (interleaving) to
a posteriori input prob's. from SISO 36 (35)

55

use a posteriori output prob's. from SISO 36 (35)
to produce a priori output prob's. for SISO 35 (36)

56

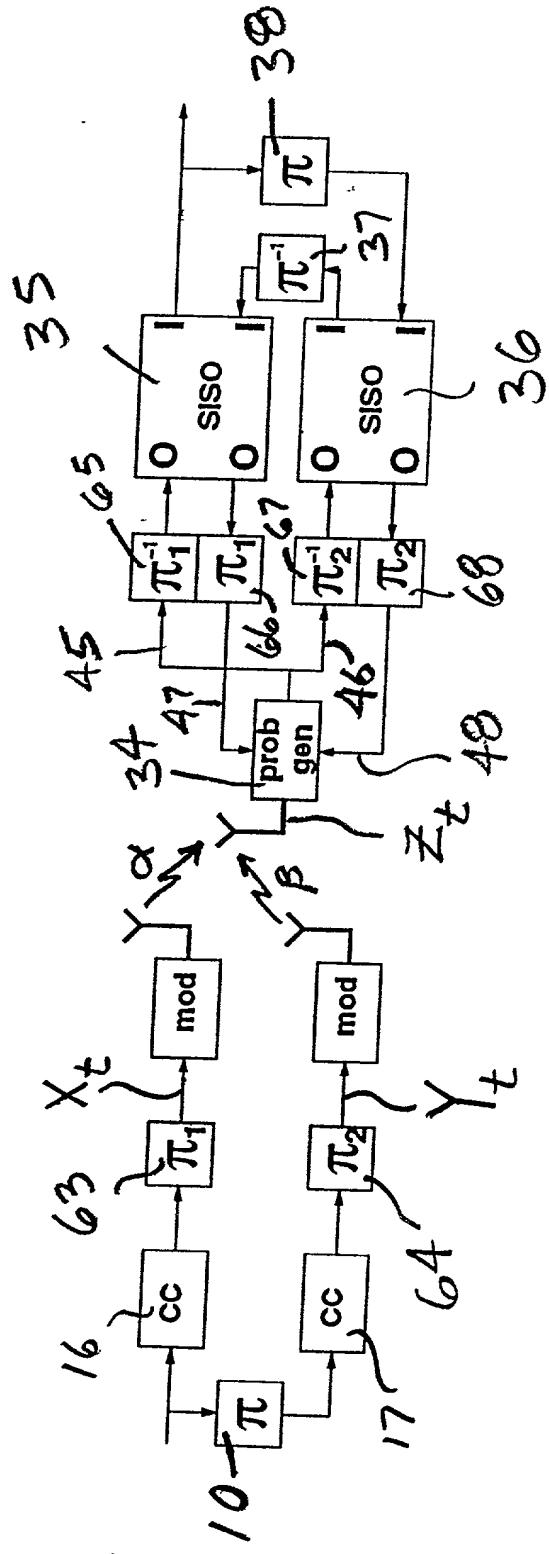
SISO 35 (36) uses a priori output prob's. and de-
interleaved (interleaved) a posteriori input prob's. of
SISO 36 (35) to produce a posteriori input and output prob's.

57

58

use a posteriori output prob's. from SISO 35 (36) to
produce a priori output prob's. for SISO 36 (35)

61



62

FIG. 6

Fig. 7

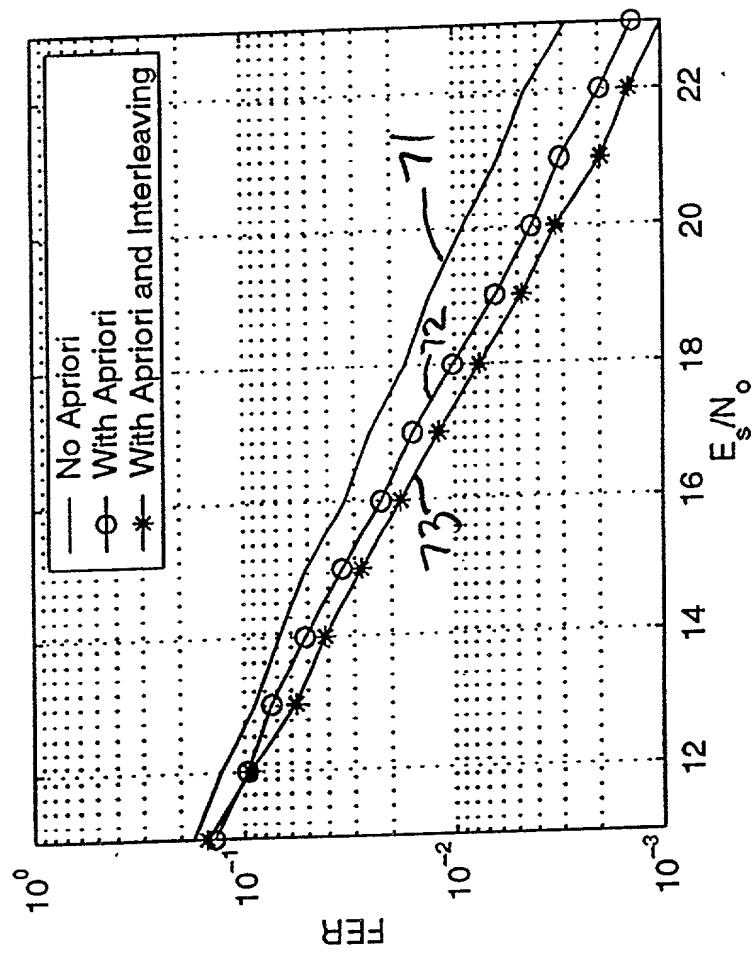
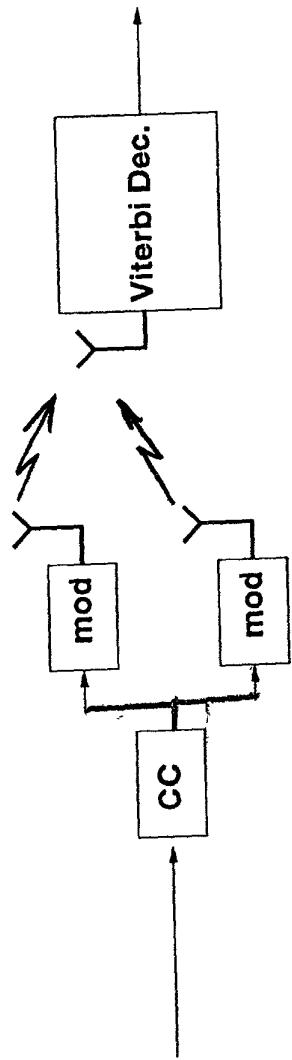


Fig. 8 PRIORITY ART



from comm. applin.

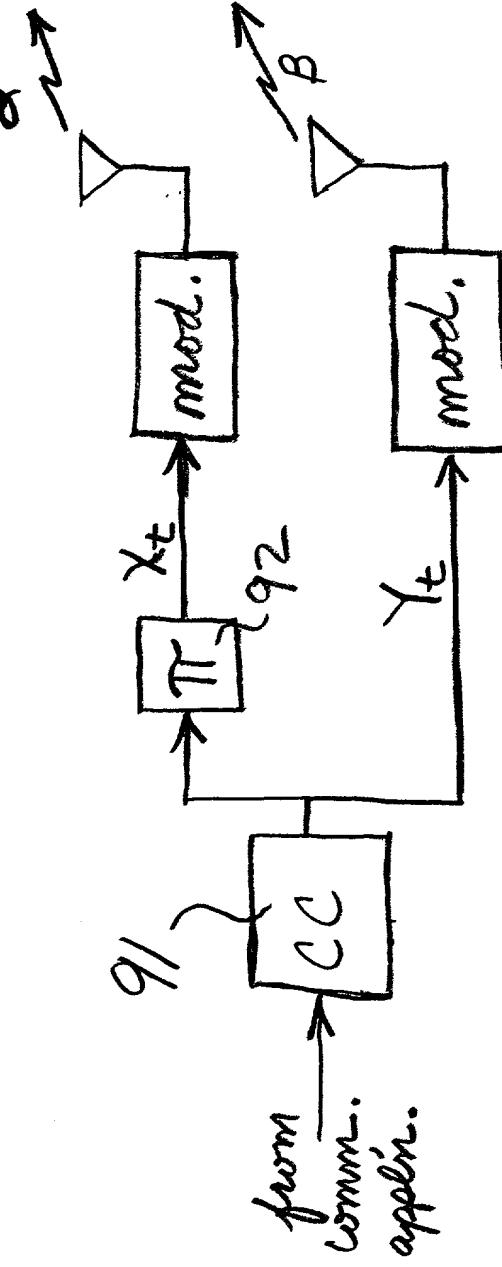


FIG. 9

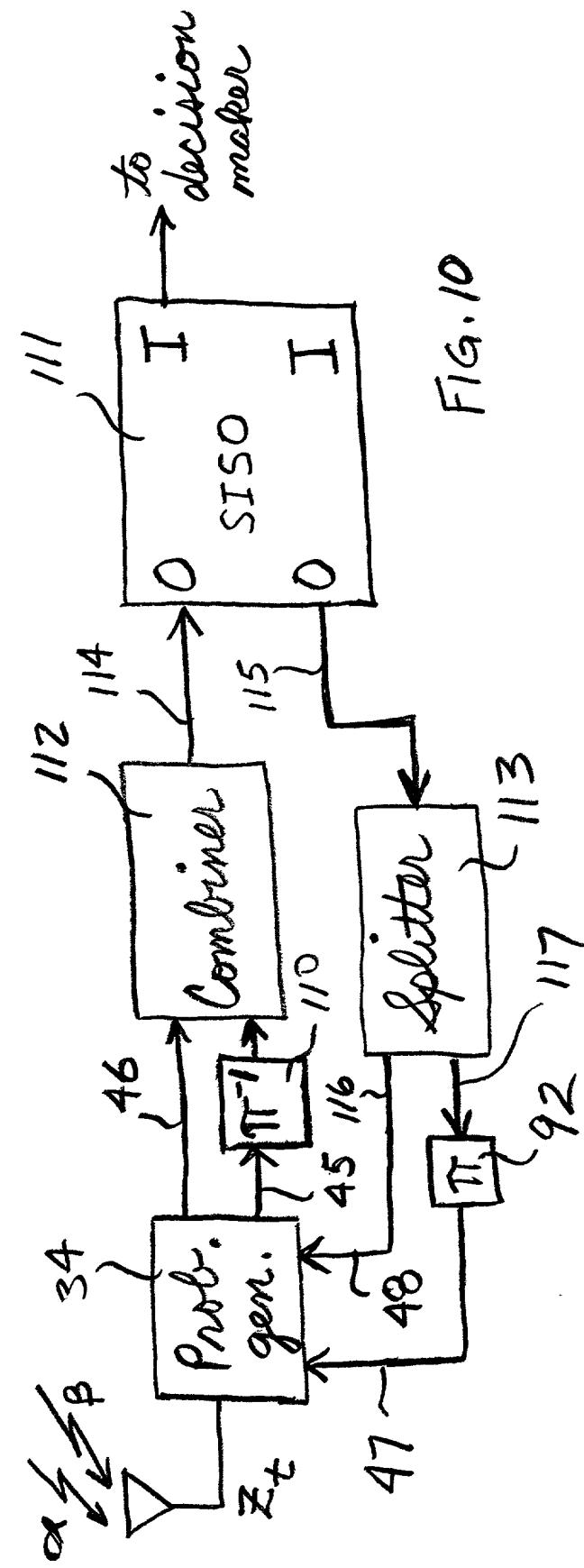


FIG. 10

FIG. 11

produce 1ST and 2ND sets of initial
a priori output prob's.

+ 120

apply de-interleaving to the
2ND set of a priori output prob's.

+ 121

combine the 1ST set of a priori output
prob's. with the de-interleaved 2ND
set of a priori output prob's. to
produce a combined a priori
output prob's.

+ 122

SISO uses the combined a priori
output prob's. to produce combined
a posteriori input and output prob's.

+ 123

split the combined a posteriori
output prob's. into 1ST and 2ND sets of
a posteriori output prob's.

+ 124

apply interleaving to the 2ND set of a posteriori
output prob's.

+ 125

use the 1ST set and interleaved 2ND set of
a posteriori output prob's. to produce next
iteration of the 2ND and 1ST sets of a priori
output prob's., respectively

+ 126

FIG. 12

